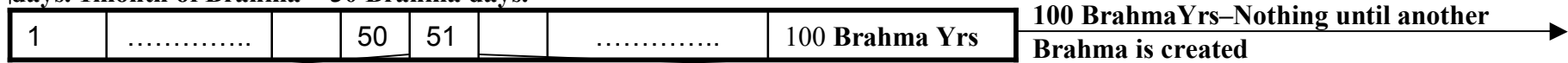


Creation & Hindu Cosmic Timescale (as described in Vishnu Purana)

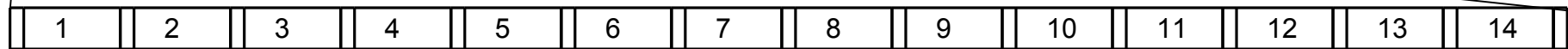
Vedas In the beginning there was an Egg called "Hiranyagarbha"-Hiran (golden; Color of Fire); Garbha (womb) / egg, (Science - small fire ball, leading to Big Bang) from which the Universe developed. 50 years of Brahma = 1 Pararddha. Currently, 50 years of Brahma have elapsed & we are in the first Day of the 51st year. Hence, we are in the second (dvithiya) Parardha. 1 Year of Brahma = 360 Brahma days. 1 month of Brahma = 30 Brahma days.



One 12 Hours in the life of Brahma is called Kalpa. (Two kalpas constitute a day and night of Brahma). Brahma's day and night are equally long. A day (12 hours) of Brahma is divided into 14 parts called Manvantras. Each Manvantra = 71 yuga cycles. Each Yugacycle is a chaturyuga (Quartet of yuga), composed of Satya yuga, Treta yuga, Dwapara yuga and Kaliyuga.

Day	Night	This Brahma's day (Kalpa) is named as ShvetaVaraha Kalpa. Each Manvantra ruled by a King who lives that long is called Manu (generic name). Thus there are 14 Manus in a day of Brahma.
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We are in the 7th Manavatara, called - Vaivasvatha Manvantara. After and before each manvantara, follows one Sandhi kala – whose duration is 1,728,000 years (same as satyayuga) Note : Duration of 15 Sandhi Kala in one Brahma day = $(1,728,000 \times 15) / 4,320,000 = 6$ Mahayugas. Hence duration of One Brahma day = $(71 \times 14) + 6 = 994 + 6 = 1000$ Mahayugas.



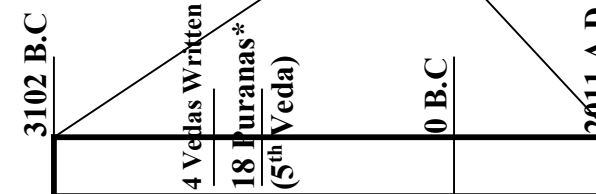
Flood Currently, we are in the 28th Mahayuga. The degree of happiness, prosperity and righteousness progressively decays as one proceeds from one yuga to another.

Satya : 4x (Matsya, Kurma, Varaha and Narsimha)	Treta : 3x (Vamana, Parashurama, Lord Rama)	Dwapara : 2x (Lord Krishna, Balarama)	Kali Yuga 4,32,000 (x) Earth Yrs
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1 YugaCycle=432000x10=4320000 EarthYears. Kaliyuga started in ≈ 3102 B.C. [2011–(–3102)]=5,113 yrs have passed in present Kaliyug.

Correlation with Scientific Data (Present:1.97 BillionYrs (BiYr)= $(71.42 \times 6 + 28) \times 4320000$)

Brahma's Time				
364 th 24 Hrs of 50 th Yr		365 th 24 Hrs of 50 th Yr		1 st Day of 51 st Yr
Day	Night	Day	Night	Present Day
4.32 Bi Yr	4.32 Bi Yr	4.32 Bi Yr	4.32 Bi Yr	1.97 Bi Yr elapsed
≈ 14.93 Billion Years (Very near to 13.7 Bi Yr of Big Bang)				



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Brahma's time scale

Earthly time scale